



Docket: 1339-5 PCT US

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT(S): Chu et al.

EXAMINER: N/Y/K

SERIAL No.: 10/570,553

GROUP: N/Y/K

FILED: March 3, 2006

DATED: June 5, 2006

TITLE: NANOCOMPOSITE FIBERS AND FILMS CONTAINING  
POLYOLEFIN AND SURFACE-MODIFIED CARBON  
NANOTUBES

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to Applicant(s) duty of disclosure, the information listed in the attached form PTO/SB/08A is brought to the attention of the Examiner. Copies of the U.S. patent documents are not provided in accordance with the waiver of that requirement under 37 C.F.R. §1.98.

The citation of the listed items is not a representation that they constitute a complete or exhaustive listing of the relevant art or that the references are prior art. The items listed are submitted in good faith, but are not intended to substitute for the Examiner's search. It is hoped, however, that in addition to apprising the Examiner of these particular items, they will assist in identifying fields of search and in making as full and complete a search as possible.

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**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postpaid in an envelope, addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Dated: June 5, 2006

Nicole Risponi

The filing of this information disclosure statement is not an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

☒ This information disclosure statement is being filed within three (3) months of the filing date of this application.

☐ This information disclosure statement is being filed within three (3) months of the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in an international application.

☐ To the best of Applicant(s) knowledge, this information disclosure statement is being filed before the date of mailing of a first Office Action on the merits in connection with this case.

☐ Enclosed herewith is a certificate under 37 C.F.R. §1.97(e)(1).

☐ Enclosed herewith is a petition under 37 C.F.R. §1.97(d)(2).

☐ Enclosed by check is the petition fee of \$130.00. (37 C.F.R. §1.17(i)(1))

☐ Please charge the \$130.00 petition fee to Deposit Account No. 50-2140.

☐ Enclosed by check is the \$180.00 fee required by 37 C.F.R. §1.17(p).

☐ Please charge the \$180.00 fee required by 37 C.F.R. §1.17(p) to Deposit Account No. 50-2140.

☒ Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. §1.16 and/or 1.17 at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account 50-2140. Also, in the event any extensions of time for responding are required for the pending application(s), please treat this paper as a petition to extend the time as required and charge Deposit Account No. 50-2140 therefor.

The claims of the application as now presented are believed to patentably distinguish over the prior art and to be in condition for allowance. Early and favorable consideration of the case is respectfully requested.

Respectfully submitted,

A handwritten signature in dark ink, reading "Michael R. Brew". The signature is fluid and cursive, with the first name "Michael" being the most prominent. It is written on a line that appears to be part of a signature strip.

Michael R. Brew

Reg. No.: 43,513

Attorney for Applicant(s)

***Carter, DeLuca, Farrell & Schmidt, LLP***

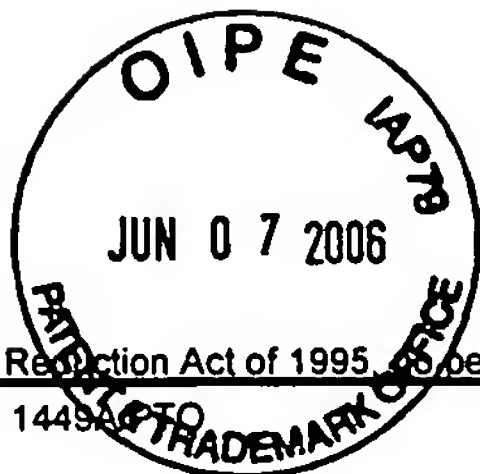
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PTO/SB/08a (08-03 )

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Substitute for form 1449A

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 1

**Complete if Known**

Application Number	10/570,553
Filing Date	March 3, 2006
First Named Inventor	Chu, et al.
Art Unit	N/Y/K
Examiner Name	N/Y/K
Attorney Docket Number	1339-5 PCT US

**U.S. PATENT DOCUMENTS WITHOUT REFERENCES**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		6,331,265 B1	12/18/2001	Dupire et al.	
		2003/0001141 A1	01/02/2003	Sun et al.	
		2002/0197474 A1	12/26/2002	Reynolds	
		2001/0016608 A1	08/23/2001	Haddon et al.	

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		RAN, ET AL., "In-Situ Synchrotron SAXS/WAXD of Melt Spinning of Modified Carbon Nanofiber and Polypropylene Nanocomposite", <i>ACS PMSE</i> , Vol. 89, pp. 735-736 (2003).	
		HU, ET AL., "Determination of the acidic sites of purified single-walled carbon nanotubes by acid-base titration", <i>Chemical Physics Letters</i> Vol. 345, pp. 25-28 (2001).	
		DALTON, ET AL. "Super-tough Carbon-nanotube fibres", <i>Nature</i> Vol. 423 p. 703 (2003)	
		RAN, ET AL., "Mesophase as the Precursor for Strain-Induced Crystallization in Amorphous Poly(ethylene terephthalate) Film", <i>Macromolecules</i> , Vol. 35, pp. 10102-10107 (2002).	
		CHU, ET AL. "Small-Angle X-ray Scattering of Polymers", <i>Chem. Rev.</i> , Vol. 101, pp. 1727-1761 (2001)	

Examiner

Date Considered

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.